Installation Instructions

Water Filter / Bypass System

Part #WB34C without Filter • Part #WFB34C with Filter
Part #WB100C without Filter • Part #WFB100C with Filter
Part #HWFB34C with Filter

Description:

The Water Filter/Bypass System with Contactor provides safe water supply shut-off with 24 volt remote control switching, conveniently located inside the dental office. (A 24 volt Master Control Panel is required.) Units equipped with the filter element not only provide convenient water shut-off to the operatories, but also filter the water by removing particulated matter as small as 5 micron, thus preventing costly damage to dental equipment. Quick open/close ball valves allow for solenoid valve bypass when filter/servicing is required.

Installation:

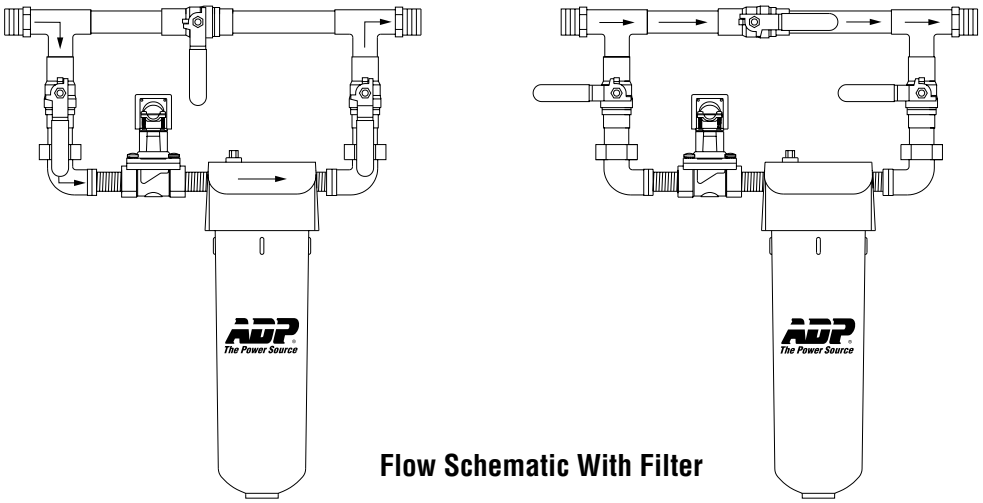
Note: A certified plumber should be employed to install the Filter Bypass System according to local plumbing codes. Plumber is to supply all connecting fittings.

Installation Warnings:

- **Only HWB34C and HWFB34C models can be used on hot water lines.**
- **Do Not** install where line pressures are above 125 PSI.
- **Do Not** install in direct sunlight.
- **Do Not** use torch near plastic housing.
- **Protect from freezing.**

1. Locate a convenient water and electrical supply line run for Filter/Bypass installation.
2. Close-off main water supply line for installation.
3. Install Filter/Bypass assembly in water line such that the direction of the water flow through the solenoid is properly maintained. Union connectors should be used.
4. Install 115 Volt AC voltage wiring with in-line Remote Control Switch to electric solenoid wire lead.
5. Securely tighten both end union connections, open main water supply valve, energize 115 Volt electrical solenoid, and repair leaks if necessary.
6. Set ball valves for operation mode. For solenoid control; open side inlet and outlet valves, close top bypass valve. For bypass of solenoid/filter assembly; close side inlet/outlet valves and open top bypass valves.

Operation Mode **Bypass Mode**



Flow Schematic With Filter

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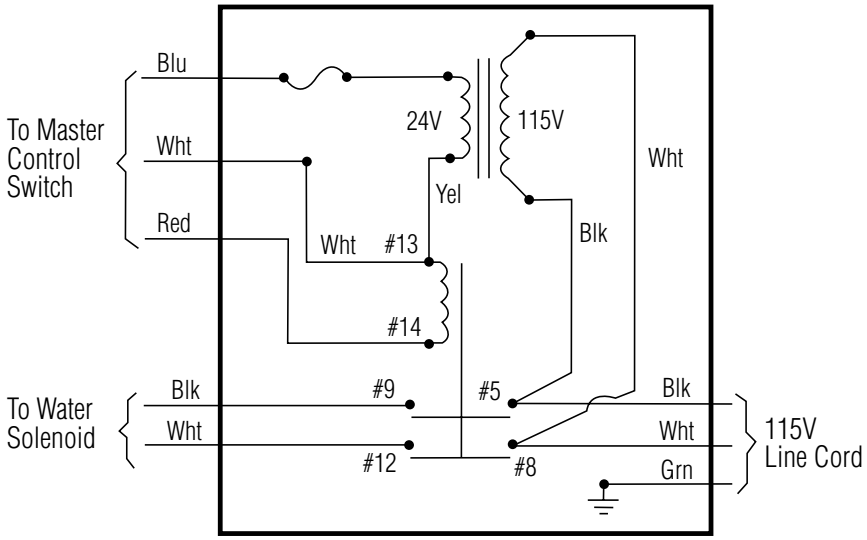

Wiring Schematic

Maintenance:

The only required maintenance of the Water Filter/Bypass System is the **replacement of the filter element at six month intervals** (although the frequency of filter replacement may vary depending on the water quality in your area).

Filter Element Replacement:

To replace the filter element simply put the system into the bypass mode and using the filter wrench, provided, unscrew the bottom of the filter (bowl) to access the element. Replace the element and **be careful to replace the seal o-ring upon reassembly**. Return the system to the operation mode and be sure that the filter bowl seals to avoid any leaks.

Note: Failure to change element on specified intervals will result in poor water flow and possible valve failure.

Maintenance Parts List

Description	WB34C WFB34C	WB100C WFB100C
O-Ring Kit	ASA34000	N/A
Water Filter Element	PFM85240	PFM85241
Water Filter O-Ring	MRP70950	MRP70951

Warranty Information: 90 Days

All ADP accessories are thoroughly inspected and tested in accordance with rigid specifications and standards. Our accessories are guaranteed against any defective material and workmanship from the date of shipment; provided that the installation, operation, and maintenance is done in accordance with ADP procedures as outlined in our Installation and Maintenance Guides. Warranty cards must be returned to ADP within ten days of installation to effect warranty. No other warranties or guarantees, expressed or implied are made.

ADP's obligation under the warranty is to provide parts for the repair or, at its option, to provide the replacement product (excluding labor). All special, incidental and/or consequential damages are excluded. We will not issue credit for accessories without first attempting to correct the problem in the field. Written notice of breach of warranty must be given to ADP within the warranty period. The warranty does not cove damage resulting form improper installation or maintenance, accident or misuse. The warranty does not cover damage resulting from the use of cleaning, disinfecting or sterilizing chemicals and processes. The warranty does not cover vacuum failures due to hard water deposits. Failure to follow instructions provided in ADP's Installation and Maintenance Guides may void the warranty.